RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following CRF diskette:

Application Serial Number: _09/543,679_

Art Unit / Team No. : _OIPE_

Date Processed by STIC: _4/25/2000_

THE ATTACHED PRINTOUT EXPLAINS THE **ERRORS DETECTED.**

PLEASE BE SURE TO FORWARD THIS INFORMATION TO THE APPLICANTS BY EITHER:

1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANTS ALONG WITH A NOTICE TO COMPLY or,

2) CALLING APPLICANTS AND FAXING THEM A COPY OF THE PRINTOUT WITH A NOTICE TO COMPLY

THIS WILL INSURE THAT THE NEXT SUBMISSION RECEIVED FROM THEM WILL BE ERROR FREE.

IF YOU HAVE ANY FURTHER QUESTIONS, PLEASE CALL:

MARK SPENCER 703-308-4212

Raw Sequence Listing Error Summary

ERROR DETECTED   SUGGESTED   CORRECTION   SERIAL NUMBER: _09/543,679_

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 ____ Wrapped Nucleics
The number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".

2 ____ Wrapped Aminos
The amino acid number/text at the end of each line "wrapped " down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".

3 ____ Incorrect Line Length
The rules require that a line not exceed 72 characters in length. This includes spaces.

4 ____ Misaligned Amino Acid Numbering
The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs
between the numbering. It is recommended to delete any tabs and use spacing between the numbers.

5 ____ Non-ASCII
This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.
Please ensure your subsequent submission is saved in ASCII text so that it can be processed.

6 ____ Variable Length
Sequence(s) ____ contain n's or Xaa's which represented more than one residue.
As per the rules, each n or Xaa can only represent a single residue.
Please present the maximum number of each residue having variable length and
indicate in the (ix) feature section that some may be missing.

7 ____ PatentIn ver. 2.0 "bug"
A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid
sequence(s) _____. Normally, PatentIn would automatically generate this section from the
previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section
to the subsequent amino acid sequence.

8 ____ Skipped Sequences (OLD RULES)
Sequence(s) ____ missing. If intentional, please use the following format for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X:
(i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS")
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:
This sequence is intentionally skipped

Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).

9 ____ Skipped Sequences (NEW RULES)
Sequence(s) ____ missing. If intentional, please use the following format for each skipped sequence.
<210> sequence id number
<400> sequence id number
000

10 ____ Use of **n's** or **Xaa's** (NEW RULES)
Use of n's and/or Xaa's have been detected in the Sequence Listing.
Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of **n** or **Xaa**, and which residue n or **Xaa** represents.

11 ____ Use of <213>Organism (NEW RULES)
Sequence(s) _____ are missing this mandatory field or its response.

12 ____ Use of <220>Feature (NEW RULES)
Sequence(s) ____ are missing the <220>Feature and associated headings.
Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown"
Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32)   (Sec. 1.823 of new Rules)

13 ____ PatentIn ver. 2.0 "bug"
Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted
file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing).
Instead, please use "File Manager" or any other means to copy file to floppy disk.

OIPE

PAGE: 1

RAW SEQUENCE LISTING
PATENT APPLICATION *US/09/543,679*

DATE: 04/25/2000
TIME: 12:25:58

INPUT SET: S35381.raw

> This Raw Listing contains the General Information Section and those Sequences containing ERRORS.

~~Does~~ Not Comply
Corrected Diskette Needed

```
 1                                          SEQUENCE LISTING
 2
 3    (1)     General Information
 4            (i) APPLICANT:                East Carolina University
 5    et al.
 6    (ii)  TITLE OF THE INVENTION:    LOW ADENOSINE
 7    OLIGONUCLEOTIDE AGENT,                 COMPOSITION, KIT &
 8
 9    TREATMENTS
10            (iii) NUMBER OF SEQUENCES:    3110
11            (iv) CORRESPONDENCE ADDRESS:
12            (A) ADDRESSEE:               ARTER & HADDEN
13            (B) STREET:                  725 South Figueroa St, #
14    3400
15            (C) CITY:                    Los Angeles
16            (D) STATE:                   CA
17            (E) COUNTRY:                 USA
18            (F) ZIP:                     90071
19            (v) COMPUTER READABLE FORM:
20            (A) MEDIUM TYPE:             Diskette
21            (B) COMPUTER:                IBM Compatible
22            (C) OPERATING SYSTEM:        DOS
23            (D) SOFTWARE:                FastSEQ for Windows
24    Version 2.0
25            (vi) CURRENT APPLICATION DATA:
26            (A) APPLICATION NUMBER:      PCT/US99/
27            (B) FILING DATE:             3-AUG-1999
28            (C) CLASSIFICATION:          UNKNOWN
29    (vii)  PRIOR APPLICATION DATA:
30            (A) APPLICATION NUMBER:      60/095,212
31            (B) FILING DATE:             03-AUG-1998
32            (viii) ATTORNEY/AGENT INFORMATION:
33            (A) NAME:                    Amzel, Viviana
34            (B) REGISTRATION NUMBER:     30,930
35            (C) REFERENCE/DOCKET NUMBER: EPI-109
36            (ix) TELECOMMUNICATION INFORMATION:
37            (A) TELEPHONE:               213-430-3520
38            (B) TELEFAX:                 213-617-9255
39            (C) TELEX:
40
```

--> 26
--> 28

ERRORED SEQUENCES FOLLOW:

[Handwritten annotations:]
move up don't use TAB codes

FYI: all U.S. applications filed on or after July 1, 1998, and which do not claim a prior U.S. application or international application designating the United States, need to be in new Sequence Rules format

INPUT SET: S35381.raw

global
format error

```
      41              (2) INFORMATION FOR SEQ ID NO:1:
      42              (i) SEQUENCE CHARACTERISTICS:
-->   43              (A) LENGTH: 21 base pairs
      44              (B) TYPE: nucleic acid
      45              (C) STRANDEDNESS: single
      46              (D) TOPOLOGY: linear
      47             (ii) MOLECULE TYPE: cDNA
      48             (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
      49    GATGGAGGGC GGCATGGCGG G
      50    21
      51
```

21

```
      52              (2) INFORMATION FOR SEQ ID NO:2:
      53              (i) SEQUENCE CHARACTERISTICS:
-->   54              (A) LENGTH: 21 base pairs
      55              (B) TYPE: nucleic acid
      56              (C) STRANDEDNESS: single
      57              (D) TOPOLOGY: linear
      58             (ii) MOLECULE TYPE: cDNA
      59             (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
      60    GTAGCAGGCG GGGATGGGGG C
      61    21
      62
```

same error

```
      63              (2) INFORMATION FOR SEQ ID NO:3:
      64              (i) SEQUENCE CHARACTERISTICS:
-->   65              (A) LENGTH: 18 base pairs
      66              (B) TYPE: nucleic acid
      67              (C) STRANDEDNESS: single
      68              (D) TOPOLOGY: linear
      69             (ii) MOLECULE TYPE: cDNA
      70             (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
      71    GTTGTTGGGC ATCTTGCC
      72    18
      73
```

same

```
      74              (2) INFORMATION FOR SEQ ID NO:4:
      75              (i) SEQUENCE CHARACTERISTICS:
-->   76              (A) LENGTH: 18 base pairs
      77              (B) TYPE: nucleic acid
      78              (C) STRANDEDNESS: single
      79              (D) TOPOLOGY: linear
      80             (ii) MOLECULE TYPE: cDNA
      81             (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
      82    GTACTTGCGG ATCTAGGC
      83    18
      84
```

same

```
      85              (2) INFORMATION FOR SEQ ID NO:5:
      86              (i) SEQUENCE CHARACTERISTICS:
-->   87              (A) LENGTH: 18 base pairs
      88              (B) TYPE: nucleic acid
      89              (C) STRANDEDNESS: single
```

PAGE: 3   **RAW SEQUENCE LISTING**
PATENT APPLICATION *US/09/543,679*   DATE: 04/25/2000
TIME: 12:25:59

INPUT SET: S35381.raw

```
 90              (D) TOPOLOGY: linear
 91          (ii) MOLECULE TYPE: cDNA
 92          (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
 93     GTGGGCCTAG CTCTCGCC
 94     18
 95
```

```
 96              (2) INFORMATION FOR SEQ ID NO:6:
 97          (i) SEQUENCE CHARACTERISTICS:
 98          (A) LENGTH: 18 base pairs
 99          (B) TYPE: nucleic acid
100          (C) STRANDEDNESS: single
101          (D) TOPOLOGY: linear
102          (ii) MOLECULE TYPE: cDNA
103          (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:
104     GTCGGGGTAC CTGTCGGC
105     18
106
```

```
107              (2) INFORMATION FOR SEQ ID NO:7:
108          (i) SEQUENCE CHARACTERISTICS:
109          (A) LENGTH: 21 base pairs
110          (B) TYPE: nucleic acid
111          (C) STRANDEDNESS: single
112          (D) TOPOLOGY: linear
113          (ii) MOLECULE TYPE: cDNA
114          (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:
115     CTCGTCGCCG TCGCCGGCGG G
116     21
117
```

```
118              (2) INFORMATION FOR SEQ ID NO:8:
119          (i) SEQUENCE CHARACTERISTICS:
120          (A) LENGTH: 20 base pairs
121          (B) TYPE: nucleic acid
122          (C) STRANDEDNESS: single
123          (D) TOPOLOGY: linear
124          (ii) MOLECULE TYPE: cDNA
125          (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:
126     GGGTGGTGCT ATTGTCGGGC
127     20
128
```

```
129              (2) INFORMATION FOR SEQ ID NO:9:
130          (i) SEQUENCE CHARACTERISTICS:
131          (A) LENGTH: 15 base pairs
132          (B) TYPE: nucleic acid
133          (C) STRANDEDNESS: single
134          (D) TOPOLOGY: linear
135          (ii) MOLECULE TYPE: cDNA
136          (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:
137     GGCCCAGGGC CAGCC
138     15
```

RAW SEQUENCE LISTING
PATENT APPLICATION *US/09/543,679*

INPUT SET: S35381.raw

```
      139

      140           (2) INFORMATION FOR SEQ ID NO:10:
      141           (i) SEQUENCE CHARACTERISTICS:
-->   142           (A) LENGTH: 21 base pairs
      143           (B) TYPE: nucleic acid
      144           (C) STRANDEDNESS: single
      145           (D) TOPOLOGY: linear
      146          (ii) MOLECULE TYPE: cDNA
      147          (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:
      148    GGCCGGGCCA GCCGGGCCCG G
      149    21
      150

      151           (2) INFORMATION FOR SEQ ID NO:11:
      152           (i) SEQUENCE CHARACTERISTICS:
-->   153           (A) LENGTH: 50 base pairs
      154           (B) TYPE: nucleic acid
      155           (C) STRANDEDNESS: single
      156           (D) TOPOLOGY: linear
      157          (ii) MOLECULE TYPE: cDNA
      158          (xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:
      159    GCGGCCTGGA AAGCTGAGAT GGAGGGCGGC ATGGCGGGCA CAGGCTGGGC
      160    50
      161

      162           (2) INFORMATION FOR SEQ ID NO:12:
      163           (i) SEQUENCE CHARACTERISTICS:
-->   164           (A) LENGTH: 49 base pairs
      165           (B) TYPE: nucleic acid
      166           (C) STRANDEDNESS: single
      167           (D) TOPOLOGY: linear
      168          (ii) MOLECULE TYPE: cDNA
      169          (xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:
      170    CGGCCTGGAA AGCTGAGATG GAGGGCGGCA TGGCGGGCAC AGGCTGGGC
      171    49
      172

      173           (2) INFORMATION FOR SEQ ID NO:13:
      174           (i) SEQUENCE CHARACTERISTICS:
-->   175           (A) LENGTH: 48 base pairs
      176           (B) TYPE: nucleic acid
      177           (C) STRANDEDNESS: single
      178           (D) TOPOLOGY: linear
      179          (ii) MOLECULE TYPE: cDNA
      180          (xi) SEQUENCE DESCRIPTION: SEQ ID NO:13:
      181    GGCCTGGAAA GCTGAGATGG AGGGCGGCAT GGCGGGCACA GGCTGGGC
      182    48
      183

      184           (2) INFORMATION FOR SEQ ID NO:14:
      185           (i) SEQUENCE CHARACTERISTICS:
-->   186           (A) LENGTH: 47 base pairs
```

same ✓

INPUT SET: S35381.raw

```
187              (B) TYPE: nucleic acid
188              (C) STRANDEDNESS: single
189              (D) TOPOLOGY: linear
190          (ii) MOLECULE TYPE: cDNA
191          (xi) SEQUENCE DESCRIPTION: SEQ ID NO:14:
192     GCCTGGAAAG CTGAGATGGA GGGCGGCATG GCGGGCACAG GCTGGGC
193     47
194
```

```
195              (2) INFORMATION FOR SEQ ID NO:15:
196          (i) SEQUENCE CHARACTERISTICS:
--> 197          (A) LENGTH: 46 base pairs
198              (B) TYPE: nucleic acid
199              (C) STRANDEDNESS: single
200              (D) TOPOLOGY: linear
201          (ii) MOLECULE TYPE: cDNA
202          (xi) SEQUENCE DESCRIPTION: SEQ ID NO:15:
203     CCTGGAAAGC TGAGATGGAG GGCGGCATGG CGGGCACAGG CTGGGC
204     46
205
```

```
206              (2) INFORMATION FOR SEQ ID NO:16:
207          (i) SEQUENCE CHARACTERISTICS:
--> 208          (A) LENGTH: 45 base pairs
209              (B) TYPE: nucleic acid
210              (C) STRANDEDNESS: single
211              (D) TOPOLOGY: linear
212          (ii) MOLECULE TYPE: cDNA
213          (xi) SEQUENCE DESCRIPTION: SEQ ID NO:16:
214     CTGGAAAGCT GAGATGGAGG GCGGCATGGC GGGCACAGGC TGGGC
215     45
216
```

```
217              (2) INFORMATION FOR SEQ ID NO:17:
218          (i) SEQUENCE CHARACTERISTICS:
--> 219          (A) LENGTH: 44 base pairs
220              (B) TYPE: nucleic acid
221              (C) STRANDEDNESS: single
222              (D) TOPOLOGY: linear
223          (ii) MOLECULE TYPE: cDNA
224          (xi) SEQUENCE DESCRIPTION: SEQ ID NO:17:
225     TGGAAAGCTG AGATGGAGGG CGGCATGGCG GGCACAGGCT GGGC
226     44
227
```

```
228              (2) INFORMATION FOR SEQ ID NO:18:
229          (i) SEQUENCE CHARACTERISTICS:
--> 230          (A) LENGTH: 43 base pairs
231              (B) TYPE: nucleic acid
232              (C) STRANDEDNESS: single
233              (D) TOPOLOGY: linear
234          (ii) MOLECULE TYPE: cDNA
235          (xi) SEQUENCE DESCRIPTION: SEQ ID NO:18:
```

Same

These errors are global. See item 1 on Error Summary Sheet

RAW SEQUENCE LISTING
PATENT APPLICATION *US/09/543,679*

INPUT SET: S35381.raw

```
26157    8
26158
```

```
26159    (2) INFORMATION FOR SEQ ID NO:2420:
26160         (i) SEQUENCE CHARACTERISTICS:
26161            (A) LENGTH: 981 base pairs
26162            (B) TYPE: nucleic acid
26163            (C) STRANDEDNESS: single
26164            (D) TOPOLOGY: linear
26165    (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2420:
26166         1 ATGCCGCCCT CCATCTCAGC TTTCCAGGCC GCCTACATCG GCATCGAGGT
26167    GCTCATCGGC
26168        61 CTGGTCTCTG TGCCCGGGAA CGTGCTGGTG ATCTGGGCGG TGAAGGTGAA
26169    CCAGGCGCTG
26170       121 CGGGATGCCA CCTTCTGCTT CATCGTCTCG CTGGCGGTGG CTGATGTGGC
26171    CGTGGGTGCC
26172       181 CTGGTCATCC CCCTCGCCAT CCTCATCAAC ATTGGGCCAC AGACCTACTT
26173    CCACACCTGG
26174       241 CTCATGGTTG CCTGTCCGGT CCTCATCCTC ACCCAGAGCT CCATCCTGGC
26175    CCTGCTGGCA
26176       301 ATTGCTGTGG ACCGCTACCT CCGGGTCAAG ATCCCTCTCC GGTACAAGAT
26177    GGTGGTGACC
26178       361 CCCCGGAGGG CGGCGGTGGC CATAGCCGGC TGCTGGATCC TCTCCTTCGT
26179    GGTGGGACTG
26180       421 ACCCCTATGT TTGGCTGGAA CAATCTGAGT GCGGTGGAGC GGGCCTGGGC
26181    AGCCAACGGC
26182       481 AGCATGGGGG AGCCCGTGAT CAAGTGCGAG TTCGAGAAGG TCATCAGCAT
26183    GGAGTACATG
26184       541 GTCTACTTCA ACTTCTTTGT GTGGGTGCTG CCCCCGCTTC TCCTCATGGT
26185    CCTCATCTAC
26186       601 CTGGAGGTCT TCTACCTAAT CCGCAAGCAG CTCAACAAGA AGGTGTCGGC
26187    CTCCTCCGGC
26188       661 GACCCGCAGA AGTACTATGG GAAGGAGCTG AAGATCGCCA AGTCGCTGGC
26189    CCTCATCCTC
26190       721 TTCCTCTTTG CCCTCAGCTG GCTGCCTTTG CACATCCTCA ACTGCATCAC
26191    CCTCTTCTGC
26192       781 CCGTCCTGCC ACAAGCCCAG CATCCTTACC TACATTGCCA TCTTCCTCAC
26193    GCACGGCAAC
26194       841 TCGGCCATGA ACCCCATTGT CTATGCCTTC CGCATCCAGA AGTTCCGCGT
26195    CACCTTCCTT
26196       901 AAGATTTGGA ATGACCATTT CCGCTGCCAG CCTGCACCTC CCATTGACGA
26197    GGATCTCCCA
26198       961 CAAGAGAGGC CTGATGACTA G
26199
```

```
26200    (2) INFORMATION FOR SEQ ID NO:2421:
26201         (i) SEQUENCE CHARACTERISTICS:
26202            (A) LENGTH: 2900 base pairs
26203            (B) TYPE: nucleic acid
26204            (C) STRANDEDNESS: single
26205            (D) TOPOLOGY: linear
26206         (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2421:
26207         1 ATGAGTGTCA GAAGTGTGAA GGGTGCCTGT TCTGAATCCC AGAGCCTCCT
```

RAW SEQUENCE LISTING
PATENT APPLICATION *US/09/543,679*

INPUT SET: S35381.raw

```
26208   CTCCCTCTGT
26209         61 GAGGCTGGCA GGTGAGGAAG GGTTTAACCT CACTGGAAGG AATCCCTGGA
26210   GCTAGCGGCT
26211        121 GCTGAAGGCG TCGAGGTGTG GGGGCACTTG GACAGAACAG TCAGGCAGCC
26212   GGGAGCTCTG
26213        181 CCAGCTTTGG TGACCTTGGG CCGGGCTGGG AGCGCTGCGG CGGGAGCCGG
26214   AGGACTATGA
26215        241 GCTGCCGCGC GTTGTCCAGA GCCCAGCCCA GCCCTACGCG CGCGGCCCGG
26216   AGCTCTGTTC
26217        301 CCTGGAACTT TGGGCACTGC CTCTGGGACC CCTGCCGGCC AGCAGGCAGG
26218   ATGGTGCTTG
26219        361 CCTCGTGCCC CTTGGTGCCC GTCTGCTGAT GTGCCCAGCC TGTGCCCGCC
26220   ATGCCGCCCT
26221        421 CCATCTCAGC TTTCCAGGCC GCCTACATCG GCATCGAGGT GCTCATCGCC
26222   CTGGTCTCTG
26223        481 TGCCCGGGAA CGTGCTGGTG ATCTGGGCGG TGAAGGTGAA CCAGGCGCTG
26224   CGGGATGCCA
26225        541 CCTTCTGCTT CATCGTGTCG CTGGCGGTGG CTGATGTGGC CGTGGGTGCC
26226   CTGGTCATCC
26227        601 CCCTCGCCAT CCTCATCAAC ATTGGGCCAC AGACCTACTT CCACACCTGC
26228   CTCATGGTTG
26229        661 CCTGTCCGGT CCTCATCCTC ACCCAGAGCT CCATCCTGGC CCTGCTGGCA
26230   ATTGCTGTGG
26231        721 ACCGCTACCT CCGGGTCAAG ATCCCTCTCC GGTACAAGAT GGTGGTGACC
26232   CCCCGGAGGG
26233        781 CGGCGGTGGC CATAGCCGGC TGCTGGATCC TCTCCTTCGT GGTGGGACTG
26234   ·ACCCCTATGT
26235        841 TTGGCTGGAA CAATCTGAGT GCGGTGGAGC GGGCCTGGGC AGCCAACGGC
26236   AGCATGGGGG
26237        901 AGCCCGTGAT CAAGTGCGAG TTCGAGAAGG TCATCAGCAT GGAGTACATG
26238   GTCTACTTCA
26239        961 ACTTCTTTGT GTGGGTGCTG CCCCCGCTTC TCCTCATGGT CCTCATCTAC
26240   CTGGAGGTCT
26241       1021 TCTACCTAAT CCGCAAGCAG CTCAACAAGA AGGTGTCGGC CTCCTCCGGC
26242   GACCCGCAGA
26243       1081 AGTACTATGG GAAGGAGCTG AAGATCGCCA AGTCGCTGGC CCTCATCCTC
26244   TTCCTCTTTG
26245       1141 CCCTCAGCTG GCTGCCTTTG CACATCCTCA ACTGCATCAC CCTCTTCTGC
26246   CCGTCCTGCC
26247       1201 ACAAGCCCAG CATCCTTACC TACATTGCCA TCTTCCTCAC GCACGGCAAC
26248   TCGGCCATGA
26249       1261 ACCCCATTGT CTATGCCTTC CGCATCCAGA AGTTCCGCGT CACCTTCCTT
26250   AAGATTTGGA
26251       1321 ATGACCATTT CCGCTGCCAG CCTGCACCTC CCATTGACGA GGATCTCCCA
26252   GAAGAGAGGC
26253       1381 CTGATGACTA GACCCCGCCT TCCGCTCCCA CCAGCCCACA TCCAGTGGGG
26254   TCTCAGTCCA
26255       1441 GTCCTCACAT GCCCGCTGTC CCAGGGGTCT CCCTGAGCCT GCCCCAGCTG
26256   GGCTGTTGGC
26257       1501 TGGGGGCATG GGGGAGGCTC TGAAGAGATA CCCACAGAGT GTGGTCCCTC
26258   CACTAGGAGT
26259       1561 TAACTACCCT ACACCTCTGG GCCCTGCAGG AGGCCTGGGA GGGCAAGGGT
26260   CCTACGGAGG
```

RAW SEQUENCE LISTING
PATENT APPLICATION *US/09/543,679*

INPUT SET: S35381.raw

```
26261        1621 GACCAGGTGT CTAGAGGCAA CAGTGTTCTG AGCCCCCACC TGCCTGACCA
26262   TCCCATGAGC
26263        1681 AGTCCAGCGC TTCAGGGCTG GGCAGGTCCT GGGGAGGCTG AGACTGCAGA
26264   GGAGCCACCT
26265        1741 GGGCTGGGAG AAGGTGCTTG GGCTTCTGCG GTGAGGCAGG GGAGTCTGCT
26266   TGTCTTAGAT
26267        1801 GTTGGTGGTG CAGCCCCAGG ACCAAGCTTA AGGAGAGGAG AGCATCTGCT
26268   CTGAGACGGA
26269        1861 TGGAAGGAGA GAGGTTGAGG ATGCACTGGC CTGTTCTGTA GGAGAGACTG
26270   GCCAGAGGCA
26271        1921 GCTAAGGGGC AGGAATCAAG GAGCCTCCGT TCCCACCTCT GAGGACTCTG
26272   GACCCCAGGC
26273        1981 CATACCAGGT GCTAGGGTGC CTGCTCTCCT TGCCCTGGGC CAGCCCAGGA
26274   TTGTACGTGG
26275        2041 GAGAGGCAGA AAGGGTAGGT TCAGTAATCA TTTCTGATGA TTTGCTGGAG
26276   TGCTGGCTCC
26277        2101 ACGCCCTGGG GAGTGAGCTT GGTGCGGTAG GTGCTGGCCT CAAACAGCCA
26278   CGAGGTGGTA
26279        2161 GCTCTGAGCC CTCCTTCTTG CCCTGAGCTT TCCGGGGAGG AGCCTGGAGT
26280   GTAATTACCT
26281        2221 GTCATCTGGG CCACCAGCTC CACTGGCCCC CGTTGCCGGG CCTGGACTGT
26282   CCTAGGTGAC
26283        2281 CCCATCTCTG CTGCTTCTGG GCCTGATGGA GAGGAGAACA CTAGACATGC
26284   CAACTCGGGA
26285        2341 GCATTCTGCC TGCCTGGGAA CGGGGTGGAC GAGGGAGTGT CTGTAAGGAC
26286   TCAGTGTTGA
26287        2401 CTGTAGGCGC CCCTGGGGTG GGTTTAGCAG GCTGCAGCAG GCAGAGGAGG
26288   AGTACCCCCC
26289        2461 TGAGAGCATG TGGGGGAAGG CCTTGCTGTC ATGTGAATCC CTCAATACCC
26290   CTAGTATCTG
26291        2521 GCTGGGTTTT CAGGGGCTTT GGAAGCTCTG TTGCAGGTGT CCGGGGGTCT
26292   AGGACTTTAG
26293        2581 GGATCTGGGA TCTGGGGAAG GACCAACCCA TGCCCTGCCA AGCCTGGAGC
26294   CCCTGTGTTG
26295        2641 GGGGGCAAGG TGGGGGAGCC TGGAGCCCCT GTGTGGGAGG GCGAGGCGGG
26296   GGAGCCTGGA
26297        2701 GCCCCTGTGT GGGAGGGCGA GGCGGGGGAT CCTGGAGCCC CTGTGTCGGG
26298   GGGCGAGGGA
26299        2761 GGGGAGGTGG CCGTCGGTTG ACCTTCTGAA CATGAGTGTC AACTCCAGGA
26300   CTTGCTTCCA
26301        2821 AGCCCTTCCC TCTGTTGGAA ATTGGGTGTG CCCTGGCTCC CAAGGGAGGC
26302   CCATGTGACT
26303        2881 AATAAAAAAC TGTGAACCCT
26304
```

```
26305   (2) INFORMATION FOR SEQ ID NO:2422:
26306          (i) SEQUENCE CHARACTERISTICS:
26307            (A) LENGTH: 1942 base pairs
26308            (B) TYPE: nucleic acid
26309            (C) STRANDEDNESS: single
26310            (D) TOPOLOGY: linear
26311          (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2422:
26312            1 CGCATTTGTG TTTTAATAAA AGAATCTGGA AGATAAATAG TCTTGAAGAG
```

```
26313  AGACAAAGGA
26314         61 AGGAAAATTT AAATCCTTAG ATTCAAGCAG AAGAATTCCA TGTGGAAGGT
26315  TTGGGTTGTT
26316        121 GTTGTTGTTG TTTGGTGTGT TTTTTGTTTT TTTGTTTTTT TGTTTTTTTT
26317  TGAGATGGAG
26318        181 TCTCGCTGTG TTACCGGGAG CGACAGAGCC GCACGGCCGA GTCGAGTCCC
26319  AGCCAGCTAC
26320        241 CATCCCTCTG GAGCTTACCG GCCGGCCTTG GCTTCCCCAG GAATCCCTGG
26321  AGCTAGCGGC
26322        301 TGCTGAAGGC GTCGAGGTGT GGGGGCACTT GGACAGAACA GTCAGGCAGC
26323  CGGGAGCTCT
26324        361 GCCAGCTTTG GTGACCTTGG GTGCTTGCCT CGTGCCCCTT GGTGCCCGTC
26325  TGCTGATGTG
26326        421 CCCAGCCTGT GCCCGCCATG CCGCCCTCCA TCTCAGCTTT CCAGGCCGCC
26327  TACATCGGCA
26328        481 TCGAGGTGCT CATCGCCCTG GTCTCTGTGC CCGGGAACGT GCTGGTGATC
26329  TGGGCGGTGA
26330        541 AGGTGAACCA GGCGCTGCGG GATGCCACCT TCTGCTTCAT CGTGTCGCTG
26331  GCGGTGGCTG
26332        601 ATGTGGCCGT GGGTGCCCTG GTCATCCCCC TCGCCATCCT CATCAACATT
26333  GGGCCACAGA
26334        661 CCTACTTCCA CACCTGCCTC ATGGTTGCCT GTCCGGTCCT CATCCTCACC
26335  CAGAGCTCCA
26336        721 TCCTGGCCCT GCTGGCAATT GCTGTGGACC GCTACCTCCG GGTCAAGATC
26337  CCTCTCCGGT
26338        781 ACAAGATGGT GGTGACCCCC CGGAGGGCGG CGGTGGCCAT AGCCGGCTGC
26339  TGGATCCTCT
26340        841 CCTTCGTGGT GGGACTGACC CCTATGTTTG GCTGGAACAA TCTGAGTGCG
26341  GTGGAGCGGG
26342        901 CCTGGGCAGC CAACGGCAGC ATGGGGGAGC CCGTGATCAA GTGCGAGTTC
26343  GAGAAGGTCA
26344        961 TCAGCATGGA GTACATGGTC TACTTCAACT TCTTTGTGTG GGTGCTGCCC
26345  CCGCTTCTCC
26346       1021 TCATGGTCCT CATCTACCTG GAGGTCTTCT ACCTAATCCG CAAGCAGCTC
26347  AACAAGAAGG
26348       1081 TGTCGGCCTC CTCCGGCGAC CCGCAGAAGT ACTATGGGAA GGAGCTGAAG
26349  ATCGCCAAGT
26350       1141 CGCTGGCCCT CATCCTCTTC CTCTTTGCCC TCAGCTGGCT GCCTTTGCAC
26351  ATCCTCAACT
26352       1201 GCATCACCCT CTTCTGCCCG TCCTGCCACA AGCCCAGCAT CCTTACCTAC
26353  ATTGCCATCT
26354       1261 TCCTCACGCA CGGCAACTCG GCCATGAACC CCATTGTCTA TGCCTTCCGC
26355  ATCCAGAAGT
26356       1321 TCCGCGTCAC CTTCCTTAAG ATTTGGAATG ACCATTTCCG CTGCCAGCCT
26357  GCACCTCCCA
26358       1381 TTGACGAGGA TCTCCCAGAA GAGAGGCCTG ATGACTAGAC CCCGCCTTCC
26359  GCTCCCACCG
26360       1441 CCCACATCCA GTGGGGTCTC AGTCCAGTCC TCACATGCCC GCTGTCCCAG
26361  GGGTCTCCCT
26362       1501 GAGCCTGCCC CAGCTGGGCT GTTGGCTGGG GGCATGGGGG AGGCTCTGAA
26363  GAGATACCCA
26364       1561 CAGAGTGTGG TCCCTCCACT AGGAGTTAAC TACCCTACAC CTCTGGGCCC
26365  TGCAGGAGGC
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INPUT SET: S35381.raw

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26366            1621 CTGGGAGGGC AAGGGTCCTA CGGAGGGACC AGGTGTCTAG AGGCAACAGT
26367 GTTCTGAGCC
26368            1681 CCCACCTGCC TGACCATCCC ATGAGCAGTC CAGAGCTTCA GGGCTGGGCA
26369 GGTCCTGGGG
26370            1741 AGGCTGAGAC TGCAGAGGAG CCACCTGGGC TGGGAGAAGG TGCTTGGGCT
26371 TCTGCGGTGA
26372            1801 GGCAGGGGAG TCTGCTTGTC TTAGATGTTG GTGGTGCAGC CCCAGGACCA
26373 AGCTTAAGGA
26374            1861 GAGGAGAGCA TCTGCTCTGA GACGGATGGA AGGAGAGAGG TTGAGGATGC
26375 ACTGGCCTGT
26376            1921 TCTGTAGGAG AGACTGGCCA GA
26377
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26378 (2) INFORMATION FOR SEQ ID NO:2423:
26379          (i) SEQUENCE CHARACTERISTICS:
26380            (A) LENGTH: 5904 base pairs
26381            (B) TYPE: nucleic acid
26382            (C) STRANDEDNESS: single
26383            (D) TOPOLOGY: linear
26384          (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2423:
26385 ATGCCGCCCT CCATCTCAGC TTTCCAGGCC GCCTACATCG GCATCGAGGT GCTCATCGCC
26386 CTGGTCTCTG  TGCCCGGGAA CGTGCTGGTG ATCTGGGCGG TGAAGGTGAA
26387 CCAGGCGCTG CGGGATGCCA CCTTCTGCTT  ATCGTCTCG CTGGCGGTGG CTGATGTGGC
26388 CGTGGGTGCC CTGGTCATCC CCCTCGCCAT CCTCATCAAC ATTGGGCCAC AGACCTACTT
26389 CCACACCTGC CTCATGGTTG CCTGTCCGGT CCTCATCCTC ACCCAGAGCT CCATCCTGGC
26390 CCTGCTGGCA ATTGCTGTGG ACCGCTACCT CCGGGTCAAG ATCCCTCTCC GGTACAAGAT
26391 GGTGGTGACC CCCCGGAGGG CGGCGGTGGC CATAGCCGGC TGCTGGATCC TCTCCTTCGT
26392 GGTGGGACTG CCCCTATGT TTGGCTGGAA CAATCTGAGT GCGGTGGAGC GGGCCTGGGC
26393 AGCCAACGGC AGCATGGGGG AGCCCGTGAT CAAGTGCGAG TTCGAGAAGG TCATCAGCAT
26394 GGAGTACATG GTCTACTTCA ACTTCTTTGT GTGGGTGCTG CCCCCGCTTC TCCTCATGGT
26395 CCTCATCTAC CTGGAGGTCT TCTACCTAAT CCGCAAGCAG CTCAACAAGA AGGTGTCGGC
26396 CTCCTCCGGC GACCCGCAGA AGTACTATGG GAAGGAGCTG AAGATCGCCA AGTCGCTGGC
26397 CCTCATCCTC TTCCTCTTTG CCCTCAGCTG GCTGCCTTTG CACATCCTCA ACTGCATCAC
26398 CCTCTTCTGC CCGTCCTGCC ACAAGCCCAG CATCCTTACC TACATTGCCA TCTTCCTCAC
26399 GCACGGCAAC TCGGCCATGA ACCCCATTGT CTATGCCTTC CGCATCCAGA AGTTCCGCGT
26400 CACCTTCCTT AAGATTTGGA ATGACCATTT CCGCTGCCAG CCTGCACCTC CCATTGACGA
26401 GGATCTCCCA GAAGAGAGGC CTGATGACTA G ATGAGTGTCA GAAGTGTGAA
26402 GGGTGCCTGT TCTGAATCCC AGAGCCTCCT CTCCCTCTGT GAGGCTGGCA GGTGAGGAAG
26403 GGTTTAACCT CACTGGAAGG AATCCCTGGA GCTAGCGGCT GCTGAAGGCG TCGAGGTGTG
26404 GGGGCACTTG GACAGAACAG TCAGGCAGCC GGGAGCTCTG CCAGCTTTGG TGACCTTGGG
26405 CCGGGCTGGG AGCGCTGCGG CGGGAGCCGG AGGACTATGA GCTGCCGCGC GTTGTCCAGA
26406 GCCCAGCCCA GCCCTACGCG CGCGGCCCGG AGCTCTGTTC CCTGGAACTT TGGGCACTGC
26407 CTCTGGGACC CCTGCCGGCC AGCAGGCAGG ATGGTGCTTG CCTCGTGCCC CTTGGTGCCC
26408 GTCTGCTGAT GTGCCCAGCC TGTGCCCGCC ATGCCGCCCT CCATCTCAGC TTTCCAGGCC
26409 GCCTACATCG GCATCGAGGT GCTCATCGCC CTGGTCTCTG TGCCCGGGAA CGTGCTGGTG
26410 ATCTGGGCGG TGAAGGTGAA CCAGGCGCTG CGGGATGCCA CCTTCTGCTT CATCGTGTCG
26411 CTGGCGGTGG CTGATGTGGC CGTGGGTGCC CTGGTCATCC CCCTCGCCAT CCTCATCAAC
26412 ATTGGGCCAC AGACCTACTT CCACACCTGC CTCATGGTTG CCTGTCCGGT CCTCATCCTC
26413 ACCCAGAGCT CCATCCTGGC CCTGCTGGCA ATTGCTGTGG ACCGCTACCT CCGGGTCAAG
26414 ATCCCTCTCC GGTACAAGAT GGTGGTGACC CCCCGGAGGG CGGCGGTGGC CATAGCCGGC
26415 TGCTGGATCC TCTCCTTCGT GGTGGGACTG ACCCCTATGT TTGGCTGGAA CAATCTGAGT
26416 GCGGTGGAGC GGGCCTGGGC AGCCAACGGC AGCATGGGGG AGCCCGTGAT CAAGTGCGAG
26417 TTCGAGAAGG TCATCAGCAT GGAGTACATG GTCTACTTCA ACTTCTTTGT GTGGGTGCTG
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INPUT SET: S35381.raw

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26418   CCCCCGCTTC TCCTCATGGT CCTCATCTAC CTGGAGGTCT TCTACCTAAT CCGCAAGCAG
26419   CTCAACAAGA AGGTGTCGGC CTCCTCCGGC GACCCGCAGA AGTACTATGG GAAGGAGCTG
26420   AAGATCGCCA AGTCGCTGGC CCTCATCCTC TTCCTCTTTG CCCTCAGCTG GCTGCCTTTG
26421   CACATCCTCA ACTGCATCAC CCTCTTCTGC CCGTCCTGCC ACAAGCCCAG CATCCTTACC
26422   TACATTGCCA TCTTCCTCAC GCACGGCAAC TCGGCCATGA ACCCCATTGT CTATGCCTTC
26423   CGCATCCAGA AGTTCCGCGT CACCTTCCTT AAGATTTGGA ATGACCATTT CCGCTGCCAG
26424   CCTGCACCTC CCATTGACGA GGATCTCCCA GAAGAGAGGC CTGATGACTA GACCCCGCCT
26425   TCCGCTCCCA CCAGCCCACA TCCAGTGGGG TCTCAGTCCA GTCCTCACAT GCCCGCTGTC
26426   CCAGGGGTCT CCCTGAGCCT GCCCCAGCTG GGCTGTTGGC TGGGGGCATG GGGGAGGCTC
26427   TGAAGAGATA CCCACAGAGT GTGGTCCCTC CACTAGGAGT TAACTACCCT ACACCTCTGG
26428   GCCCTGCAGG AGGCCTGGGA GGGCAAGGGT CCTACGGAGG GACCAGGTGT CTAGAGGCAA
26429   CAGTGTTCTG AGCCCCACC TGCCTGACCA TCCCATGAGC AGTCCAGCGC TTCAGGGCTG
26430   GGCAGGTCCT GGGGAGGCTG AGACTGCAGA GGAGCCACCT GGGCTGGGAG AAGGTGCTTG
26431   GGCTTCTGCG GTGAGGCAGG GGAGTCTGCT TGTCTTAGAT GTTGGTGGTG CAGCCCCAGG
26432   ACCAAGCTTA AGGAGAGGAG AGCATCTGCT CTGAGACGGA TGGAAGGAGA GAGGTTGAGG
26433   ATGCACTGGC CTGTTCTGTA GGAGAGACTG GCCAGAGGCA GCTAAGGGGC AGGAATCAAG
26434   GAGCCTCCGT TCCCACCTCT GAGGACTCTG GACCCCAGGC CATACCAGGT GCTAGGGTGC
26435   CTGCTCTCCT TGCCCTGGGC CAGCCCAGGA TTGTACGTGG GAGAGGCAGA AAGGGTAGGT
26436   TCAGTAATCA TTTCTGATGA TTTGCTGGAG TGCTGGCTCC ACGCCCTGGG GAGTGAGCTT
26437   GGTGCGGTAG GTGCTGGCCT CAAACAGCCA CGAGGTGGTA GCTCTGAGCC CTCCTTCTTG
26438   CCCTGAGCTT TCCGGGGAGG AGCCTGGAGT GTAATTACCT GTCATCTGGG CCACCAGCTC
26439   CACTGGCCCC CGTTGCCGGG CCTGGACTGT CCTAGGTGAC CCCATCTCTG CTGCTTCTGG
26440   GCCTGATGGA GAGGAGAACA CTAGACATGC CAACTCGGGA GCATTCTGCC TGCCTGGGAA
26441   CGGGGTGGAC GAGGGAGTGT CTGTAAGGAC TCAGTGTTGA CTGTAGGCGC CCCTGGGGTG
26442   GGTTTAGCAG GCTGCAGCAG GCAGAGGAGG AGTACCCCCC TGAGAGCATG TGGGGGAAGG
26443   CCTTGCTGTC ATGTGAATCC CTCAATACCC CTAGTATCTG GCTGGGTTTT CAGGGGCTTT
26444   GGAAGCTCTG TTGCAGGTGT CCGGGGGTCT AGGACTTTAG GGATCTGGGA TCTGGGGAAG
26445   GACCAACCCA TGCCCTGCCA AGCCTGGAGC CCCTGTGTTG GGGGGCAAGG TGGGGGAGCC
26446   TGGAGCCCCT GTGTGGGAGG GCGAGGCGGG GGAGCCTGGA GCCCCTGTGT GGGAGGGCGA
26447   GGCGGGGGAT CCTGGAGCCC CTGTGTCGGG GGGCGAGGGA GGGGAGGTGG CCGTCGGTTG
26448   ACCTTCTGAA CATGAGTGTC AACTCCAGGA CTTGCTTCCA AGCCCTTCCC TCTGTTGGAA
26449   ATTGGGTGTG CCCTGGCTCC CAAGGGAGGC CCATGTGACT AATAAAAAAC TGTGAACCCT
26450   CGCATTTGTG TTTTAATAAA AGAATCTGGA AGATAAATAG TCTTGAAGAG AGACAAAGGA
26451   AGGAAAATTT AAATCCTTAG ATTCAAGCAG AAGAATTCCA TGTGGAAGGT TTGGGTTGTT
26452   GTTGTTGTTG TTTGGTGTGT TTTTTGTTTT TTTGTTTTTT TGTTTTTTTT TGAGATGGAG
26453   TCTCGCTGTG TTACCGGGAG CGACAGAGCC GCACGGCCGA GTCGAGTCCC AGCCAGCTAC
26454   CATCCCTCTG GAGCTTACCG GCCGGCCTTG GCTTCCCCAG GAATCCCTGG AGCTAGCGGC
26455   TGCTGAAGGC GTCGAGGTGT GGGGGCACTT GGACAGAACA GTCAGGCAGC CGGGAGCTCT
26456   GCCAGCTTTG GTGACCTTGG GTGCTTGCCT CGTGCCCCTT GGTGCCCGTC TGCTGATGTG
26457   CCCAGCCTGT GCCCGCCATG CCGCCCTCCA TCTCAGCTTT CCAGGCCGCC TACATCGGCA
26458   TCGAGGTGCT CATCGCCCTG GTCTCTGTGC CCGGGAACGT GCTGGTGATC TGGGCGGTGA
26459   AGGTGAACCA GGCGCTGCGG GATGCCACCT TCTGCTTCAT CGTGTCGCTG GCGGTGGCTG
26460   ATGTGGCCGT GGGTGCCCTG GTCATCCCCC TCGCCATCCT CATCAACATT GGGCCACAGA
26461   CCTACTTCCA CACCTGCCTC ATGGTTGCCT GTCCGGTCCT CATCCTCACC CAGAGCTCCA
26462   TCCTGGCCCT GCTGGCAATT GCTGTGGACC GCTACCTCCG GGTCAAGATC CCTCTCCGGT
26463   ACAAGATGGT GGTGACCCCC CGGAGGGCGG CGGTGGCCAT AGCCGGCTGC TGGATCCTCT
26464   CCTTCGTGGT GGGACTGACC CCTATGTTTG GCTGGAACAA TCTGAGTGCG GTGGAGCGGG
26465   CCTGGGCAGC CAACGGCAGC ATGGGGGAGC CCGTGATCAA GTGCGAGTTC GAGAAGGTCA
26466   TCAGCATGGA  GTACATGGTC  TACTTCAACT  TCTTTGTGTG  GGTGCTGCCC
26467   CCGCTTCTCC  TCATGGTCCT CATCTACCTG GAGGTCTTCT ACCTAATCCG
26468   CAAGCAGCTC AACAAGAAGG TGTCGGCCTC CTCCGGCGAC CCGCAGAAGT ACTATGGGAA
26469   GGAGCTGAAG ATCGCCAAGT CGCTGGCCCT CATCCTCTTC CTCTTTGCCC TCAGCTGGCT
26470   GCCTTTGCAC ATCCTCAACT GCATCACCCT CTTCTGCCCG TCCTGCCACA AGCCCAGCAT
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INPUT SET: S35381.raw

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26471   CCTTACCTAC ATTGCCATCT TCCTCACGCA CGGCAACTCG GCCATGAACC CCATTGTCTA
26472   TGCCTTCCGC ATCCAGAAGT TCCGCGTCAC CTTCCTTAAG ATTTGGAATG ACCATTTCCG
26473   CTGCCAGCCT GCACCTCCCA TTGACGAGGA TCTCCCAGAA GAGAGGCCTG ATGACTAGAC
26474   CCCGCCTTCC GCTCCCACCG CCCACATCCA GTGGGGTCTC AGTCCAGTCC TCACATGCCC
26475   GCTGTCCCAG GGGTCTCCCT GAGCCTGCCC CAGCTGGGCT GTTGGCTGGG GGCATGGGGG
26476   AGGCTCTGAA GAGATACCCA CAGAGTGTGG TCCCTCCACT AGGAGTTAAC TACCCTACAC
26477   CTCTGGGCCC TGCAGGAGGC CTGGGAGGGC AAGGGTCCTA CGGAGGGACC AGGTGTCTAG
26478   AGGCAACAGT GTTCTGAGCC CCCACCTGCC TGACCATCCC ATGAGCAGTC CAGAGCTTCA
26479   GGGCTGGGCA GGTCCTGGGG AGGCTGAGAC TGCAGAGGAG CCACCTGGGC TGGGAGAAGG
26480   TGCTTGGGCT TCTGCGGTGA GGCAGGGGAG TCTGCTTGTC TTAGATGTTG GTGGTGCAGC
26481   CCCAGGACCA AGCTTAAGGA GAGGAGAGCA TCTGCTCTGA GACGGATGGA AGGAGAGAGG
26482   TTGAGGATGC ACTGGCCTGT TCTGTAGGAG AGACTGGCCA GA  GAT GGA GGG CGG
26483   CAT GGC GGG G CGG GTC GCC GG GGC GGG CBC BGG C GGC GGG CBC GC GGC
26484   CTG G  GGB GGG CGG C GBT GGB GGG GG CTG GGC GC GGC CTG GAA AGC
26485   TGA GAT GGA GGG CGG CAT GGC GGG CAC AGG CTG GGC
26486
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26487   (2) INFORMATION FOR SEQ ID NO:2424:
26488           (i) SEQUENCE CHARACTERISTICS:
--> 26489          (A) LENGTH: 1687 base pairs
26490               (B) TYPE: nucleic acid
26491               (C) STRANDEDNESS: single
26492               (D) TOPOLOGY: linear
26493           (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2424:
26494             1 CCCAGCCCCG AGGCTCAGAA GCGGCAGGCG GAGGCGCGGT CCGGGCGCTA
26495   TGGCCATGCC
26496            61 CGGCGGGTCT CACGCGGCTG CCCCTCGCCC GGCGCGCCTT CGGTAGGGGG
26497   CGCCCGGGGC
26498           121 CCAGCTGGCC CGGCCATGCT GCTGGAGACA CAGGACGCGC TGTACGTGGC
26499   GCTGGAGCTG
26500           181 GTCATCGCCG CGCTTTCGGT GGCGGGCAAC GTGCTGGTGT GCGCCGCGGT
26501   GGGCACGGCG
26502           241 AACACTCTGC AGACGCCCAC CAACTACTTC CTGGTGTCCC TGGCTGCGGC
26503   CGACGTGGCC
26504           301 GTGGGGCTCT TCGCCATCCC CTTTGCCATC ACCATCAGCC TGGGCTTCTG
26505   CACTGACTTC
26506           361 TACGGCTGCC TCTTCCTCGC CTGCTTCGTG CTGGTGCTCA CGCAGAGCTC
26507   CATCTTCAGC
26508           421 CTTCTGGCCG TGGCAGTCGA CAGATACCTG GCCATCTGTG TCCCGCTCAG
26509   GTATAAAAGT
26510           481 TTGGTCACGG GGACCCGAGC AAGAGGGGTC ATTGCTGTCC TCTGGGTCCT
26511   TGCCTTTGGC
26512           541 ATCGGATTGA CTCCATTCCT GGGGTGGAAC AGTAAAGACA GTGCCACCAA
26513   CAACTGCACA
26514           601 GAACCCTGGG ATGGAACCAC GAATGAAAGC TGCTGCCTTG TGAAGTGTCT
26515   CTTTGAGAAT
26516           661 GTGGTCCCCA TGAGCTACAT GGTATATTTC AATTTCTTTG GGTGTGTTCT
26517   GCCCCCACTG
26518           721 CTTATAATGC TGGTGATCTA CATTAAGATC TTCCTGGTGG CCTGCAGGCA
26519   GCTTCAGCGC
26520           781 ACTGAGCTGA TGGACCACTC GAGGACCACC CTCCAGCGGG AGATCCATGC
26521   AGCCAAGTCA
26522           841 CTGGCCATGA TTGTGGGGAT TTTTGCCCTG TGCTGGTTAC CTGTGCATGC
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